

FIG. 1

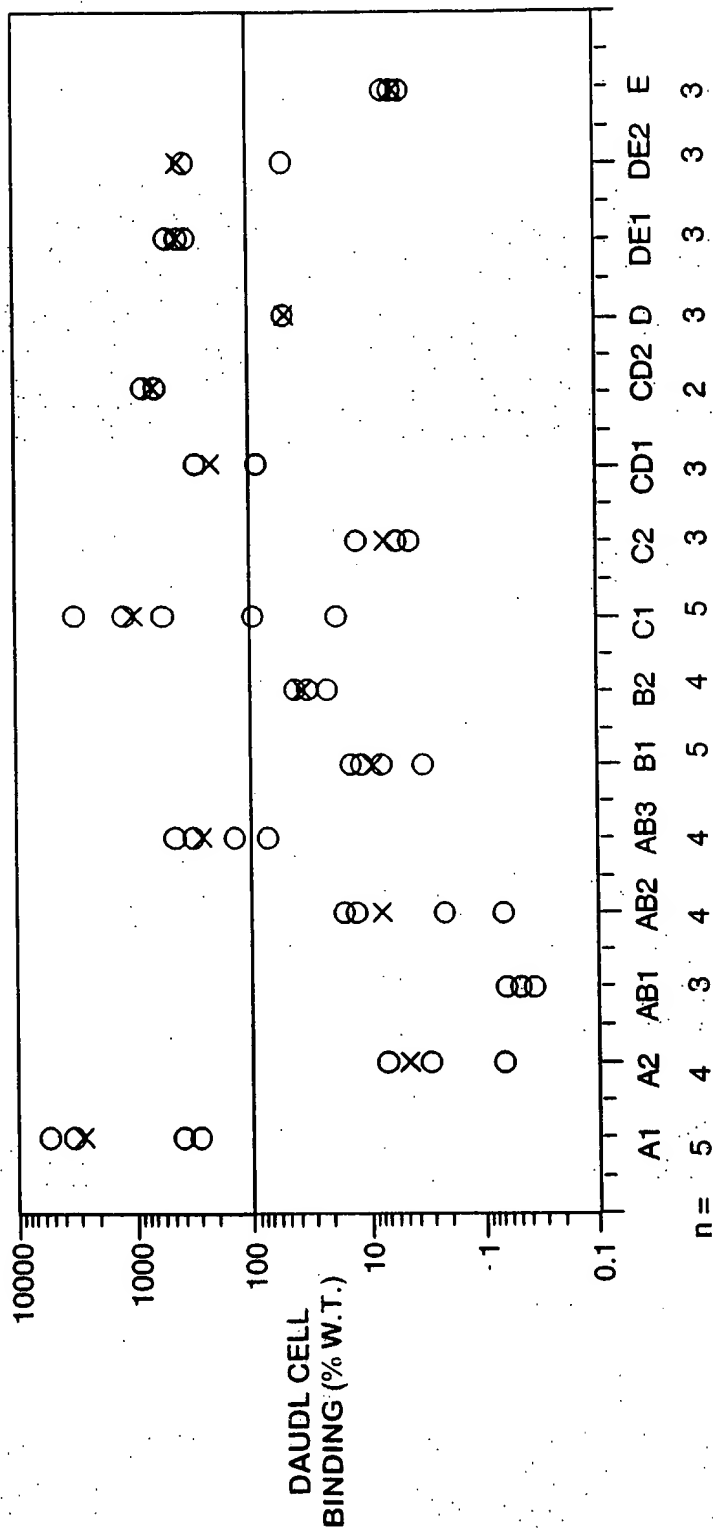


FIG. 2



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155 Seaport Blvd.
Boston, MA 02210
U.S. Patent Application Serial No.: 09/832,658
Title: Polymer Conjugates of Interferon Beta-1A and Uses
Inventor: Pepinsky et al.
Filed: April 11, 2001
Attorney Docket no.: BII-008.01
Sheet 3 of 11

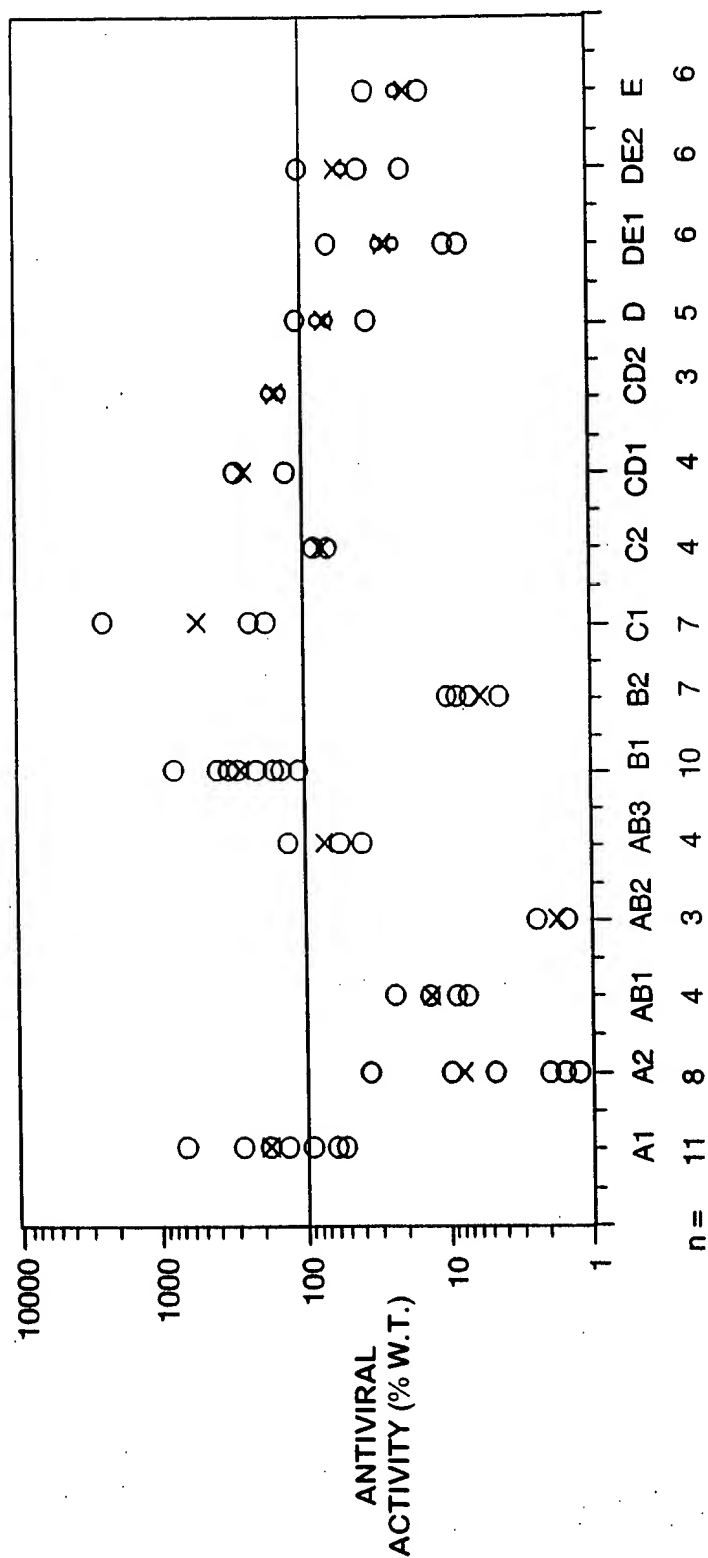


FIG. 3

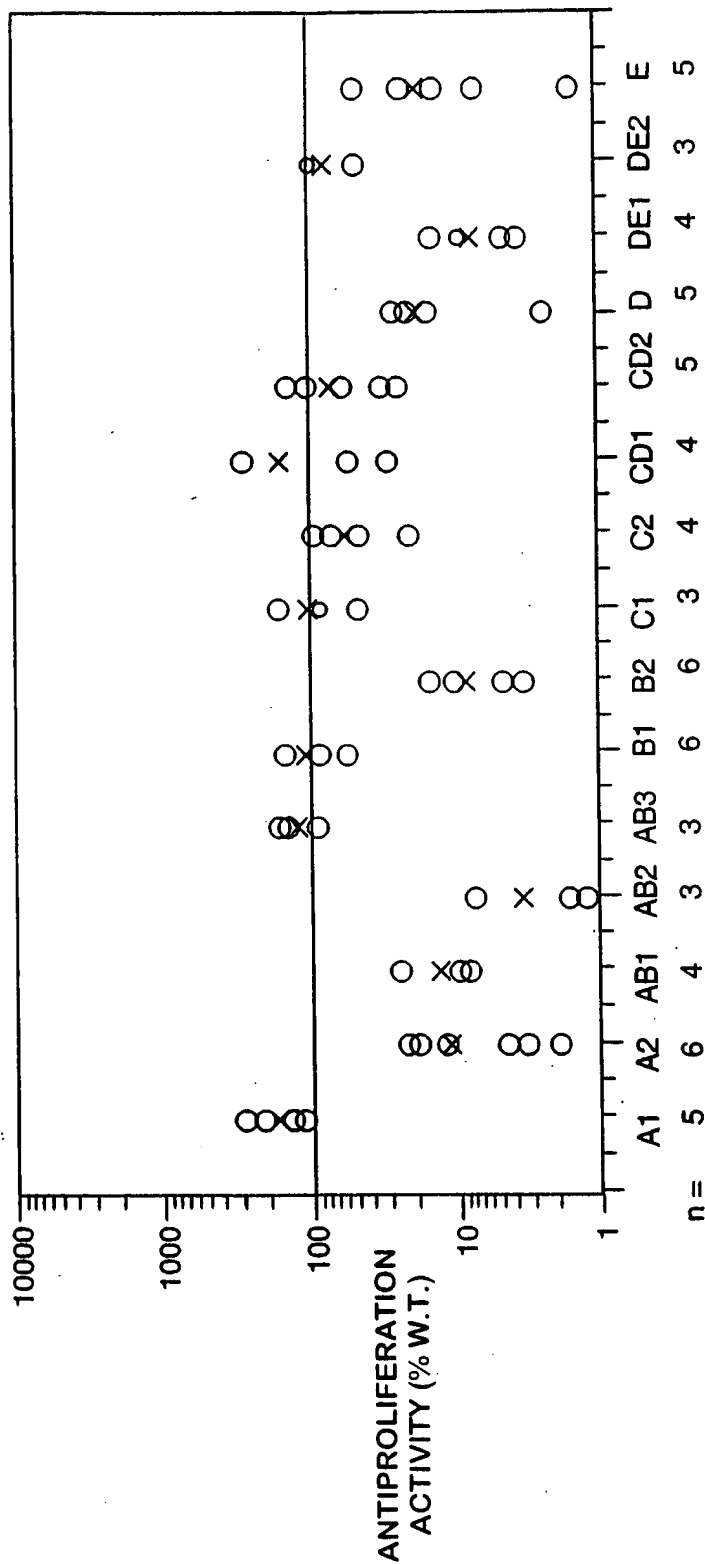


FIG. 4



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Sheet 5 of 11

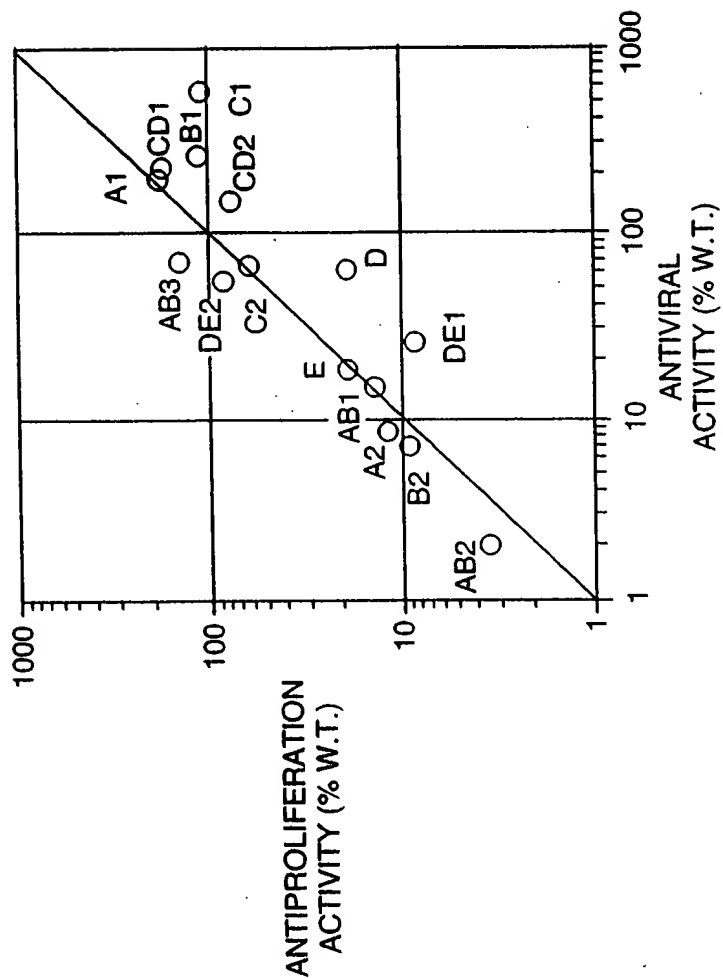


FIG. 5



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Sheet 6 of 11

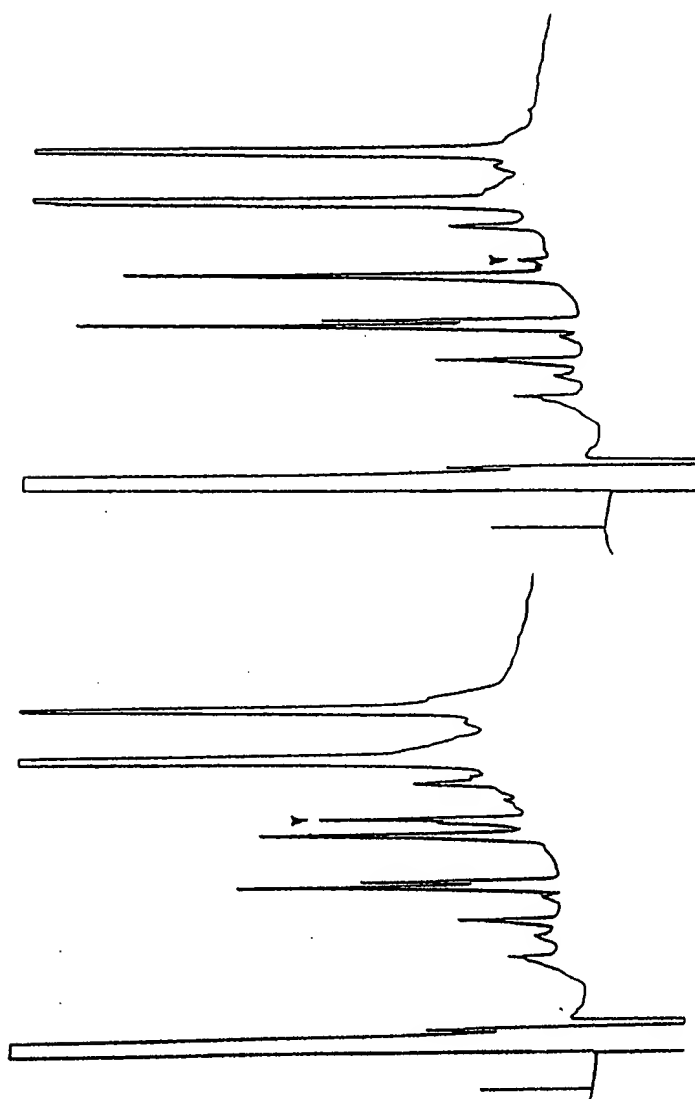


FIG. 6B

FIG. 6A

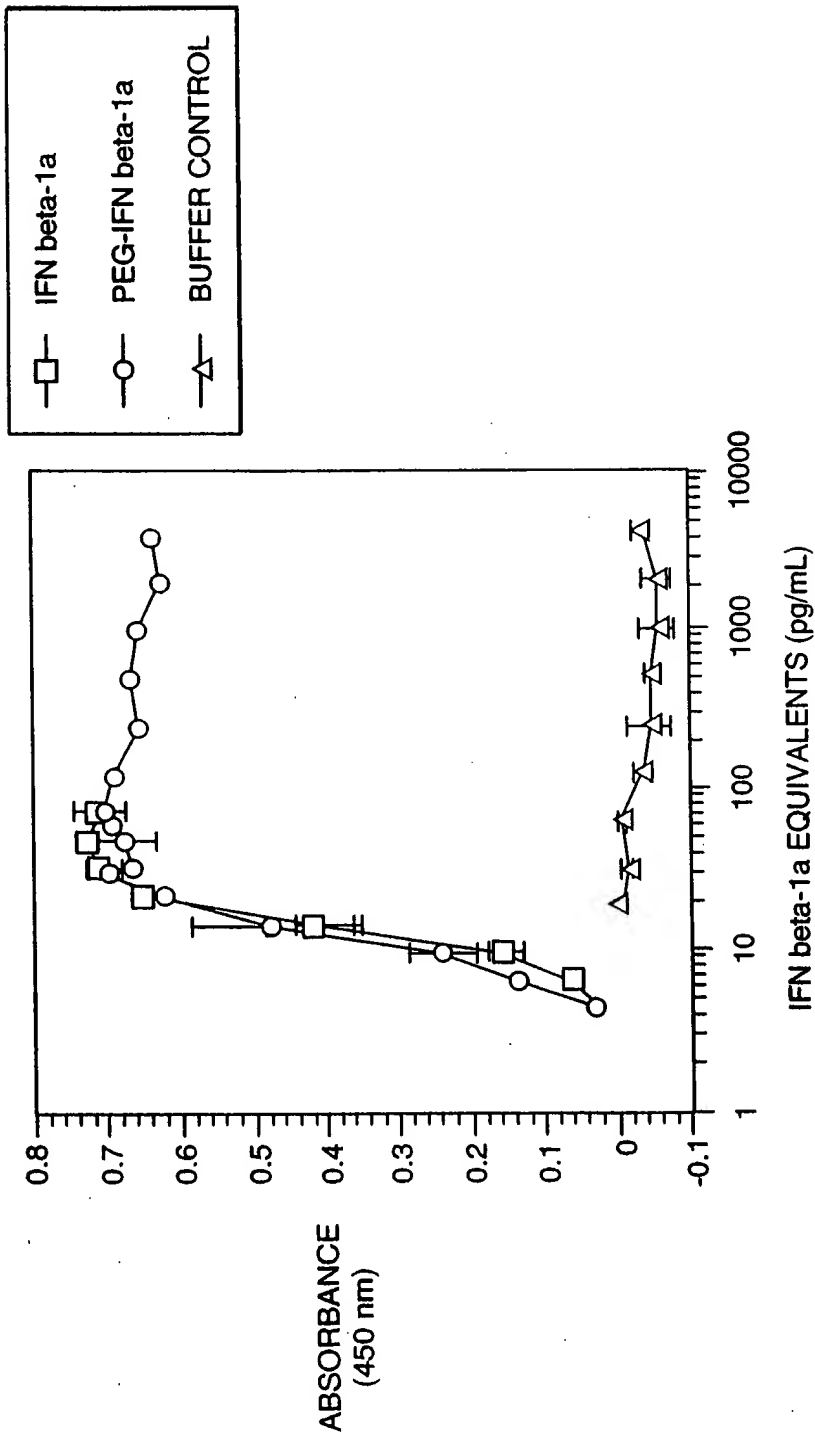


FIG. 7



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Sheet 8 of 11

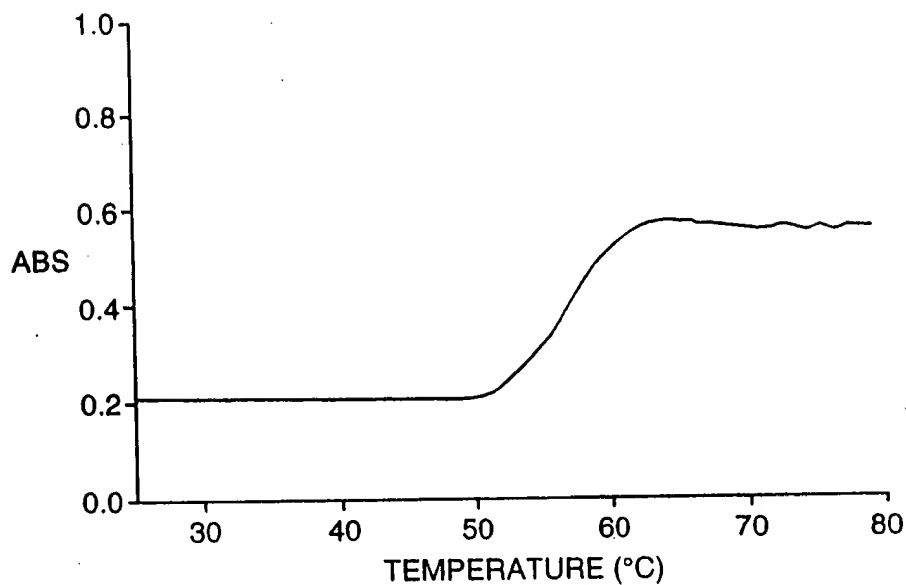


FIG. 8a

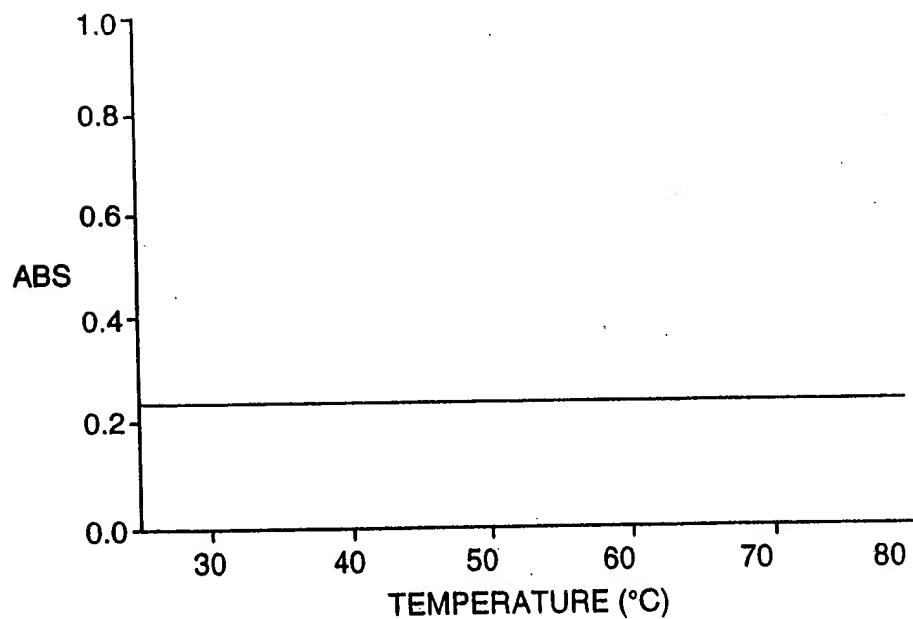


FIG. 8b

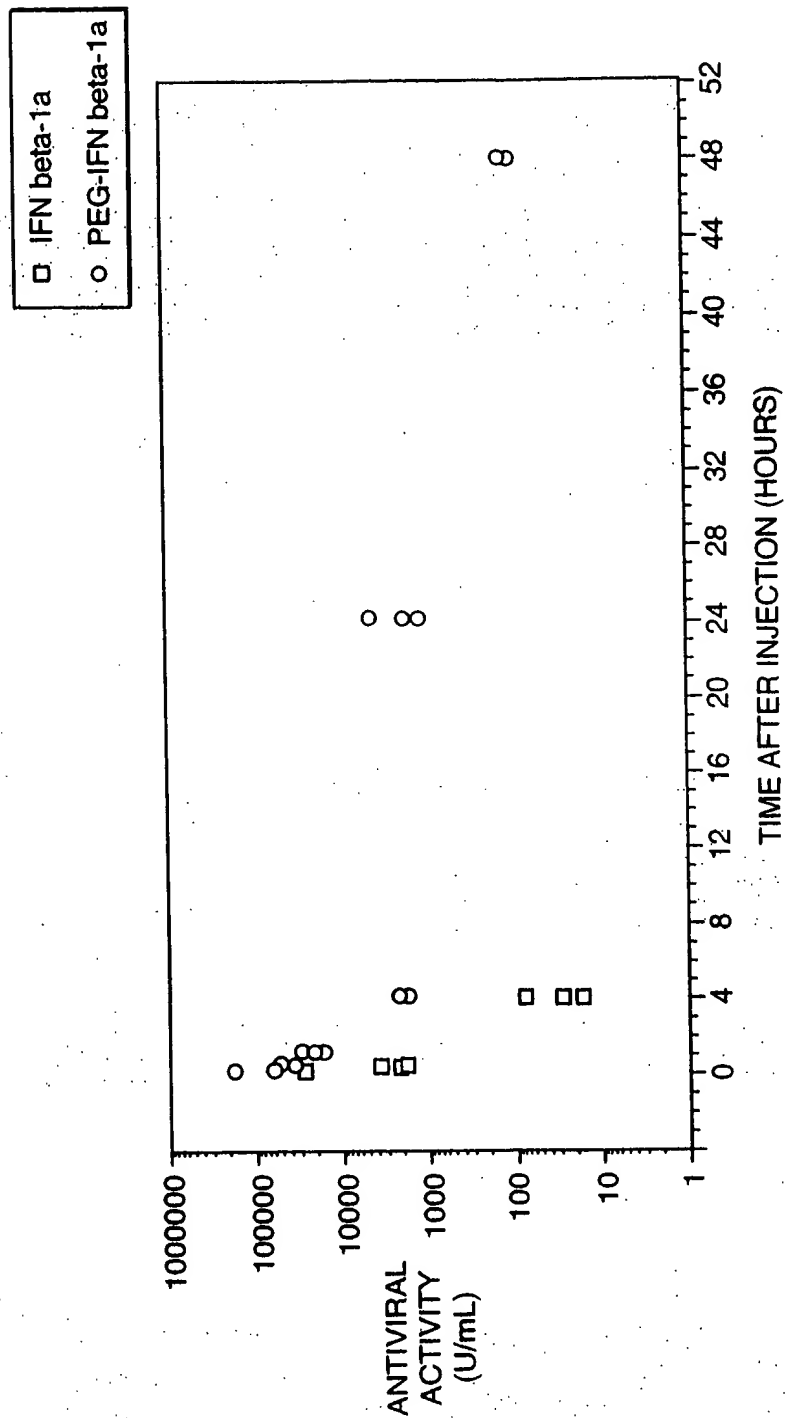


FIG. 9



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Filed: April 11, 2001
Attorney Docket no.: BII-008.01
Sheet 10 of 11

1 TCCGGGGGCC ATCATCATCA TCATCATAGC TCCGGAGACG ATGATGACAA GATGAGCTAC
AGGCCCCCGG TAGTAGTAGT AGTAGTATCG AGGCCTCTGC TACTACTGTT CTACTCGATG
11 Ser Gly Gly H s H s H s H s H s Ser Ser Gly Asp A sp Asp Asp Ly s Met Ser Tyr
61 AACTTGCTTG GATTCTACA AAGAAGCAGC AATTTTCAGT GTCAGAAGCT CCTGTGGCAA
TTGAACGAAC CTAAGGATGT TTCTTCGTCG TTAAGTCA CAGTCTCGA GGACACGTT
21 Asn Leu Leu G ly Phe Leu Gl n Arg Ser Ser Asn Phe Gl n C ys Gl n Lys Le u Leu Trp Gl n
121 TTGAATGGGA GGCTGAATA CTGCCTCAAG GACAGGATGA ACTTTGACAT CCCTGAGGAG
AACTTACCCT CCGAAGTAT GACGGAGTTC CTGTCCTACT TGAACTGTA GGGACTCCTC
41 Leu Asn Gly A rg Leu Gl u Ty r Cys Leu Lys Asp Arg Met A sn Phe Asp l l e Pro Gl u Gl u
181 ATTAAGCAGC TGCAGCAGTT CCAGAAGGAG GACGCCGCAT TGACCATCTA TGAGATGCTC
TAATTCGTCG ACGTCGTCAA GGTCTTCCTC CTGCGGCGTA ACTGGTAGAT ACTCTACGAG
61 l l e Lys Gl n L eu Gl n Gl n Ph e Gl n Lys Gl u Asp A l a A l a L eu Thr l l e Ty r Gl u Met Leu
241 CAGAACATCT TTGCTATTTT CAGACAAGAT TCATCTAGCA CTGGCTGGAA TGAGACTATT
GTCTTGTAGA AACGATAAAA GTCTGTTCTA AGTAGATCGT GACCGACCTT ACTCTGATAA
81 Gl n Asn l l e P h e A l a l l e Ph e Arg Gl n Asp Ser Ser Ser T hr Gly Trp As n Gl u Thr l l e
301 GTTGAGAACC TCCTGGCTAA TGTCTATCAT CAGATAAACC ATCTGAAGAC AGTCCTGGAA
CAACTCTTGG AGGACCGATT ACAGATAGTA GTCTATTTGG TAGACTTCTG TCAGGACCTT
101 Val Gl u Asn L eu Leu A l a As n Val Tyr H is Gl n l l e Asn H is Leu Lys Th r Val Leu Gl u
361 GAAAACTGG AGAAAGAAGA TTTCAACCAGG GGAAACTCA TGAGCAGTCT GCACCTGAAA
CTTTTGGACC TCTTCTTCT AAAGTGGTCC CTTTTGAGT ACTCGTCAGA CGTGGACTTT
121 Gl u Lys Leu G l u Lys Gl u As p Phe Thr Arg Gly Lys Leu M et Ser Ser Le u H is Leu Lys
421 AGATATTATG GGAGGATTCT GCATTACCTG AAGGCCAAGG AGTACAGTCA CTGTGCCTGG
TCTATAATAC CCTCCTAAGA CGTAATGGAC TTCCGGTTCC TCATGTCAGT GACACGGACC
141 Arg Tyr Tyr G ly Arg l l e Le u H is Tyr Leu Lys A l a Lys G l u Tyr Ser H is Cys A l a Trp
481 ACCATAGTCA GAGTGGAAAT CCTAAGGAAC TTTTACTTCA TTAACAGACT TACAGGTTAC
TGGTATCAGT CTCACCTTTA GGATTCCTTG AAAATGAAGT AATTGTCTGA ATGTCCAATG
161 Thr l l e Val A rg Val Gl u l l e Leu Arg Asn Phe Tyr Phe l l e Asn Arg Le u Thr Gly Tyr
541 CTCCGAAAC
GAGGCTTTG
181 Leu Arg Asn

FIG. 10



FIG. 11

